

THE TECH

VOL. XXVIII. No. 43

BOSTON, MASS., WEDNESDAY, FEBRUARY 10, 1909

PRICE THREE CENTS

TECH RELAY TEAM DEFEATS SYRACUSE

Makes the Fastest Time of Evening in B. A. A. Indoor Meet

STUART SECOND IN HIGH

Gram Wins Two Heats in 40-Yard Dash—Fernstrom Places in Fast Preliminary

Making the fastest time of the evening, Technology easily took the cups from Syracuse in their relay race in the B. A. A. meet last Saturday night. Only in the first string did the team from Salt City prove interesting, and Tech finished with a lead of thirty yards in the fast time of 3 minutes 10 seconds. This was even faster than the crack B. A. A. or N. Y. A. C. sprinters made.

K. D. Fernstrom, 1910, who started for Tech, jumped into the lead at the crack of the gun. For two laps his opponent hugged his heels, but in the last lap with a strong finish he broke away and handed Al Moses, 1909, five yards. Moses romped away from his man and was relieved by W. C. Salisbury, 1911, with a lead of twenty yards. Salisbury added five more, and Carl Gram, 1909, crossed the tape a winner by thirty yards margin, the Syracuse team never once taking the lead.

Gram won his heat both in the 40-yds. scratch and handicap dashes, but was unable to place in the semi-finals. E. Stuart, 1910, was the only Tech man to place in an event, taking second honors in the high jump with an actual jump of 5 feet 10 inches, and a handicap of 3 1-2 inches.

Fernstrom placed second in the fastest scratch preliminary of the evening.

ONE VICTORY ON TRIP

Basketball Team Defeats Manhattan but Loses Three Games

After a most disastrous trip Technology's basketball team returned yesterday from their annual tour. The strain of four games in as many nights combined with the jumps from place to place proved the undoing of the boys, who lost three out of four games. Manager W. R. Hargreaves was taken sick on the journey to Middletown and was barely able to play in part of two games. Captain P. M. Wentworth injured his ankle in the C. C. N. Y. game and F. G. Taite was injured in the game with New York University.

The team opened the trip in Middletown where they dropped a game to the fast Wesleyan team with a score of 33 to 20. They then journeyed to New York city where they met and defeated Manhattan College, showing their old-time form in this game, winning handily 4 to 14. In the roughest game of the trip they were defeated by the College of the City of New York, 33 to 13. The team was completely outplayed in the game with New York University Saturday evening, losing 43 to 13, and not scoring from the floor in the second half.

The game with Manhattan which Tech won, 24 to 14, was clinched in the last few minutes of the game. Parker and Lord excelled for the institute five.

On Jan. 12 the Tech five defeated Harvard, 19 to 12, the first half ending with a score of 12 to 3 in favor of the red and grey.

Parker and Wentworth excelled for the Technology quintet each scoring two goals from the field and the former getting seven goals from fouls.

The second half started with a rush and each team played to the limit. But the lead of the institute team could not be overcome and the half ended 19 to 12 in their favor.

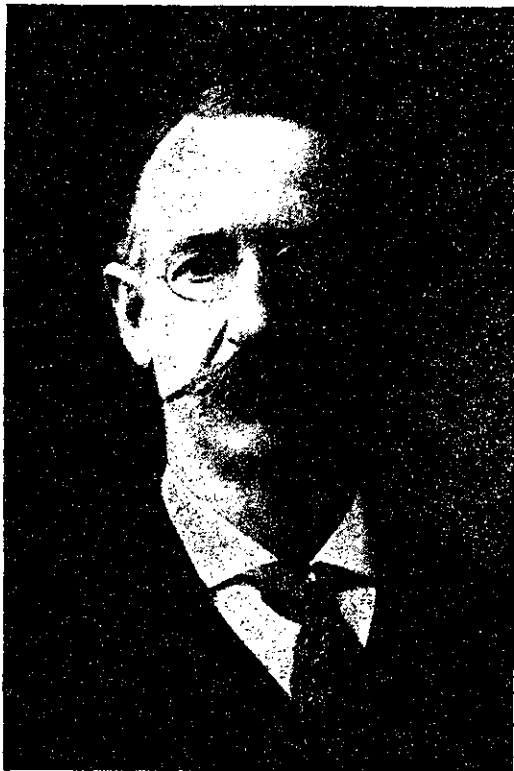
PROFESSORS LEAVE TO GO TO HARVARD

Swain and Clifford Called to Teach in Graduate School There

LONG SERVICE ENDED

Prof. Swain Taught at Institute 28 Years, Prof. Clifford 23—Their Work

News was received during the examination period of the appointment to the teaching staff of the Harvard Graduate School of Applied Science of Professors George Fillmore Swain and Harry Ellsworth Clifford of the Institute, to take effect at the end of the present school year. This action of the Harvard Corporation is part of the development of the Graduate School from the income of the Mackay Bequest fund, the first instalment of \$1,000,000 of which has just been released for use.



Prof. G. F. Swain

Professor Swain was born in San Francisco in 1857, and graduated in civil engineering from the Institute with the class of 1877. After studying three

(Continued on page 3.)

PLANS FOR TECHNIQUE

Book Will be Made Better This Year than Ever Before

Technique 1910 promises to be of a totally different character from its predecessors. A new policy is being followed by the editors. Quality not quantity is to be their motto. For this reason many of the departments of the book, whose uses are questioned will be entirely eliminated, and many others will be cut down greatly.

Work in several of the departments has been completed and all copy is ready for the printer. In one of these, the department of athletics, a large percentage of the work was done by the retiring editor, T. W. Saul, '10; P. W. Burnham, '10; and P. Harris, '10, are to be the art editors.

Specifications were proposed and sent to the printers during vacation and estimates from them were due last Saturday. The publishing firm will probably be chosen at the Technique meeting next Thursday.

The contracts for the steel engravings have been let and the photographic contract awarded to Morceau, who did all the work for the show last year.

Special attention is being paid this year to the mechanical details of publication and it is the object of the editors to make this the handsomest. Technique that has ever been produced.

CONVOCATION FOR LINCOLN MEMORIAL

Mr. Horace White Speaks in Huntington Hall Tomorrow

EMINENT JOURNALIST

Associated for Years With Lincoln Author of Many Important Works on History

At the Lincoln Memorial Convocation tomorrow afternoon at two, members of the Institute will be addressed by Mr. Horace White of New York. Mr. White is a distinguished journalist and economist, and was for many years associated with Lincoln. He received his degree from Beloit's College, Wisconsin, in 1853. For many years he was connected with the Chicago Tribune, and in 1864 became editor and one of its chief proprietors, retaining the position for ten years.

From 1883 until his retirement in 1903 he was connected with the New York Evening Post as president of the corporation and editor-in-chief. Besides his newspaper work, he has edited several important works and is the author of a number of historical works. Students of the Institute are very fortunate in having this opportunity to hear Mr. White, and a full attendance, is expected.

Regular two o'clock exercises will be postponed until immediately after the convocation.

PROF. ROTCH TALKS

Last night at the Technology Club Professor A. Lawrence Rotch, of the Blue Hill Observatory, gave an illustrated talk on aerial navigation. Professor Rotch spoke of the explorations made for the benefit of the aerial travelers, and gave an explanation of the navigation of balloons and aeroplanes with an account of his talks last summer with Count Von Zeppelin and Wilbur Wright.

CANDIDATES FOR SHOW

Candidates for the principals and chorus of the Show meet tomorrow afternoon in the dining room of the Union for the preliminary selection. About 20 men are wanted for the principal parts, and 50 or more for the chorus. This gives everyone a chance to make some part, and it is hoped that a large number will come out, especially freshmen. The men who make the cast rehearse three times a week from 4.00 to 6.00 o'clock, taking up the time which is usually wasted, and there is no reason why anyone should not be able to carry the Show without in any way interfering with his studies. At present the rehearsals are to be held in the dining room of the Union, although some other place may be found later.

This afternoon the candidates for assistant stage manager meet Stage Manager R. F. Goodwin in the Show office at 4.15. The sophomore assistant, Kenneth Greenleaf, has been appointed, and a freshman is to be picked. The stage management has charge of the cast, and tends to the music, costumes, etc. It gives a man a glimpse of life behind the scenes, and the work is extremely interesting.

The plans of the Show are not yet definitely decided, but three or four performances are to be given outside of Boston, and two matinees here. The score is not yet complete, but ten or twelve lyrics and music are finished, and there are several more now being written.

TECH SEVEN PLAY EXCELLENT HOCKEY

Shut out Brown and Mass. Agricultural College Tie Amherst

FORWARDS SHOOT WELL

Purple Scores Only Victory Over Institute Team Winning by Two Tallies

Winning two and tying one out of four games played, the ice hockey team returned from its trip last week, with victories over Brown and Massachusetts Agricultural college, a tie with Amherst and one defeat, administered by the Williams seven. Fast plays were the rule in the first three games; in the last contest both teams were handicapped by poor ice. The game should properly have been a victory for the Technology seven, Amherst scoring her only goal after time had been called and several of the M. I. T. players had skated off the rink. Andover Academy was defeated by the Tech team on Jan. 16.

At Brae-Burn, on Feb. 3, the team defeated Brown University at the Brae-Burn Country Club rink in a fast game, 3 to 0. The ability of the Tech forwards to follow up their shots was responsible for their three goals.

The team work and passing of the Brown forwards was poor, although they played a good defensive game. Cawthorne, the Brown point, was the star of the losers and repeatedly made difficult shots and broke up the team play of the Tech forwards.

Paine shot the first goal after 10 minutes of hard play. Capt. Kelly sent the puck out in front of the Brown goal and Paine, who was waiting shot it into the net. In the second half Capt. Kelly made a goal, which was soon followed by another by Paine.

On Feb. 4 Williams won, 3 to 1, in a hockey game with Massachusetts Institute of Technology. Van Gorder and Benton of Williams each scored in the first half, and in the second half Benton again scored. Gould tallied Tech's only score.

On Feb. 5 Technology defeated the Massachusetts agricultural college in a fast game of hockey by the score of 1 to 0. Kelley and Sloan excelled for Tech and Brandt and Hathaway for Amherst.

On very poor ice the Amherst hockey team tied the team in a good game on Feb. 6, the score being 1 to 1. Both goals were lucky, each being scored when there was misunderstanding about the referee's whistle. Two extra five-minute periods were played, with no result.

Mrs. Edward L. Shaw of Woburn announces the engagement of her daughter Marian, to Mr. William Wyman Crosby, also of Woburn.

Word has been received of the marriage in Rutland, Vermont, on Feb. 6, of Miss Agnes Rosalie Morris of Rutland, to Arthur Franklin Conant, ex-1909, Harvard 1907, of Plainfield, New Jersey.

CALENDAR

WEDNESDAY, FEB. 10.

4.15 P. M. 1912 candidates for assistant stage manager report in room B at the Union today.

6.30 P. M. Biological Dinner at the Union.

THURSDAY, FEB. 11.

1.00 P. M. Association in 16 Rogers.

2.00 P. M. Convocation.

6.35 P. M. Dr. Mann, Bible Class at Trinity Church parish house.

4.15 P. M. Candidates for Tech Show report in dining room of Union.

FRIDAY, FEB. 12.

4.00. Mandolin Club rehearsal.

CONVOCATION TOMORROW AT 2 P. M.

THE TECH

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All communications regarding advertisements should be addressed to the Business Manager. Regarding subscriptions address the Asst. Business Manager.

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Wednesday, February 10, 1909.

Welcome Back!

Lincoln Memorial Convocation tomorrow afternoon.

Have you ever been behind the footlights? A chance for all at the first tryout for the show chorus.

Technique 1910 is well on its way to completion. Still time, however, for you to get in those grinds, histories, and headings. Do it today!

The Tech takes pleasure in announcing the appointments of Wellesley Joseph Seligman, 1911, and Edward Burke Moore, 1912, to the news staff. Merton W. Hopkins, 1911, has left the institute to enter business, and has, therefore, resigned his position as assistant business manager. Norman DeForest has been elected to fill his position.

The second term contest for positions on the staff of the Tech is now open to all men interested. This competition will give those men who have a taste for developing their business ability a splendid opportunity to work along that line without endangering their studies, as a recent rearrangement has divided the business staff into three working units, one for each issue in the week. For those more inclined to literary work, the news staff offers excellent chances. This also is so organized that its members do active work on but one issue in each week. The division not only increases the desirability of the positions, but is expected to improve the quality of the work.

It should be remembered that inclination counts for a great deal in each work, and that experience is quickly enough acquired, so that no one need hesitate about offering his services, because he has never tried before.

The managing editor will be in the Tech office, 30 Eng. C., every noon from 1:15 to 1:45, and will be glad to meet contestants at that time.

The Graduate School of Applied Science of Harvard University is to be congratulated upon obtaining for positions at the head of two of its courses men so eminently fitted as Professor C. F. Swain of the civil engineering course and Professor H. E. Clifford of the electrical course of the institute. The development in these courses at the institute are due in great part to the work of these two men and they will undoubtedly do much at Harvard toward the shaping of the standard and conduct of the new school.

That these appointments, however, will be the means of bringing up again the discussion of a merger with Harvard must be emphatically denied. The Harvard Tech merger is understood as a dead issue, and the representatives of both institutions have been firm in their denials of any rumors of a renewal of the question.

Following the announcement of the appointments there appeared in the Boston Transcript an article, unfortunately reproduced in "Science,"—implying that the change would prove the crippling of the institute. The institute will, however, stand secure in its own strength; its educational policy is too well defined for the loss of any individual to affect its efficiency seriously. Dr. Noyes said in regard to the appointments:—

"In justice to these two professors and to the two institutions it should be understood that neither of these two men has made the change because of the offer of a higher salary. It is rather because they feel that to them as individuals there is offered a greater opportunity for service in connection with the development of the new school. The past history of the institute has shown that even its best professors are seldom lured away merely by financial inducements. Nor is it likely that the income of the much-talked-of McKay millions will be more attractive than similar inducements elsewhere. With few exceptions members of the institute's faculty do not believe that the form of engineering education represented by the imperfectly co-ordinated undergraduate and graduated courses of the university has as much future promise of success and effectiveness as the institute's system."

Mrs. Ellen H. Richards, of the Chemical Department, recently returned from a trip in the Middle West, where she has been making addresses to various colleges and alumni organizations.

She spoke in Lincoln Neb., at the dedication of a new building of the University of Nebraska, and in Milwaukee, Rockford, Ill., Chicago, Grand Rapids, and Ann Arbor.

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IN EVERY ISSUE OF THE TECH

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PROFESSORS LEAVE

(Continued from page 1.)

years at the Royal Engineering School in Berlin, he returned to the Institute to commence the teaching career which has continued to the present time. He was appointed instructor in 1881, assistant professor in 1883, associate professor soon afterward, and in 1887 was made professor of civil engineering, and placed in the charge of the department. His outside work has extended over a wide and varied field. Since 1887 he has been consulting engineer of the Massachusetts State Railroad Commission, a position involving large responsibility. He has been engineering member of many grade crossing elimination commissions, and of the Boston Transit Commission since its founding in 1894, in all of which work he has set a high standard of efficiency and convenience of results. His latest public service was as a representative of Massachusetts in the Conservation Congress last spring. He has held many important positions in engineering societies, including the presidency of the Society for the Promotion of Engineering Education, and the vice-presidency of the American Society of Civil Engineering. He is also consulting engineer for many enterprises, and has published notes on structures, hydraulics and other professional subjects.

Professor Clifford was born in 1866, at Lowell, and graduated in electrical engineering from the Institute with the class of 1886. He was immediately appointed to the teaching staff of the Institute, and in 1895 was made assistant professor. In 1904 he was advanced to a full professorship, and from then until 1907 he was acting head of the electrical engineering department. He has also done some graduate work at Harvard, and has served that university in connection with its observatory staff and the party which examined sites for its high altitude observatory. Professor Clifford is consulting engineer for the General Electric Co., and is a member of the board of managers of the American Institute of Electrical Engineers, past chairman of the Boston branch of that organization, a Fellow of the American Academy of Arts and Sciences, and a member of several technical societies; most of his energy has been devoted to his life-work of teaching, however.

GYM EXHIBITION GOOD

With springboard work, high and parallel bars, tumbling, club swinging, flying rings, boxing and wrestling following one another with rapidity, the annual exhibition of the gymnasium team of the institute of Technology was carried through at the Garrison-street gymnasium with a snap and a vim which spoke well for the work of Capt. Gott, 1910, and the physical directors, W. C. Towne and H. A. Bruce.

Harold D. Billings, 1910, engaged in a three-round boxing match with J. S. Schneider. Though Schneider had the advantage of weight Billings kept him worried by his dodging, and no decision was rendered. Myers, 1912, won the decision over H. O. Jenkins, 1909, in a wrestling bout.

CHOOSE 2 MILE RELAY

A two-mile relay team which will run against the Tufts four at the Lawrence Light Guard Meet in the Medford Armory on Feb. 13 has been picked as follows: Harvey S. Benson, the freshman cross-country man; C. L. Campbell, 1909, L. O. Mills, 1910, who holds the indoor mile record; P. D. White, 1911, who qualified also in the preliminary trials for the 1560-yard relay squad, and C. P. Eldred 1911.

Benson made the fastest time, surprising all by beating out the long distance men of two and three years' experience.

INSTITUTE COMMITTEE

At yesterday's meeting of the Institute Committee it was voted that the Executive Committee should arrange for the employment of a permanent book-keeper and stenographer, who will be at the disposal of the various Institute organizations. He may also be employed to typewrite theses and do other work of a similar nature. All payments for this work will go to the Institute Committee.

The billboard question was brought up for discussion, and the committee was instructed to look for something better than thumbtacks to hold up posters. Some form of a clip was suggested.

1911 DEFEATS 1912

First Basketball Game of Series
Easy for Sophomores

The first of the series of interclass basket-ball games resulted in a decisive win for the sophomores, the final score being 26 to 15. Though fast at intervals, the play on the whole was crude, showing almost utter lack of team work, due to insufficient practice. Capt. Schatz and Livingston did the best work for the winning team, while Stone and Cherry starred for the freshmen. The summary:

1911	1912
Schatz rf	lb Stone
Williams lf	rb Cherry
Stevens lf	
Livingston c	c Ruby
MacPherson rb	lf Albee
Metcalf lb	rf Farwell
	rf Riddell

"I positively predict the violent eruption of Mt. Aetna within 18 months," said Prof. T. A. Jaggar, of the geological department, in an address before the Society of Arts in Huntington Hall. "New York is in the center of an earthquake belt, and is liable to eruption as much as many of the places in the volcanic districts of Italy. Boston will hardly experience any violent shocks, but Providence and Manchester are in the zone of disturbances."

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TECHNOLOGY PHOTOGRAPHERS FOR 1909

FAGAN WILL SPEAK**The "Signal Man" Will Talk in Union Friday Evening**

Mr. James O. Fagan, the railroad tower-man, who by his recent articles in some of the leading magazines, has brought himself before the public as a man thoroughly cognizant with railroad affairs and the crying evils of railroad management, will talk informally to those students of the Institute who wish to hear him, on Friday evening, Feb. 12, 1909, at 7.45 P. M., in the Union.

Mr. Fagan's articles have not only interested the general public, but have also been the cause of several interviews with President Eliot of Harvard, and President Roosevelt. It is reported that his interview with President Eliot resulted in his engagement by Harvard to deliver a series of lectures on railroading. For Mr. Fagan, a man without even the advantages of a high school education, to acquire such a thorough knowledge of his subject as to attract the attention of President Eliot, is an accomplishment which many men of better education would be proud of.

Every man who hears Mr. Fagan will surely feel that he has a much better understanding of conditions which he may be called upon to cope with in his professional career.

SOCIETY OF ARTS

The next meeting of the Society of Arts is to be in the form of a commemoration of the centennial of Charles Darwin. The meeting is to be held in Huntington Hall, on February 11.

Two eminent speakers have been secured for the evening. Prof. Sedwick, of the department of biology, will give an account of Darwin's life and his influence upon organic evolution. Prof. Percival Lowell, non-resident professor of astronomy and director of the Lowell observatory at Flagstaff, Arizona, will discuss the influence of Darwinism in clearing the way for an acceptance of the broader aspects of evolution, particularly as applied to cosmology.

CUP FOR HURLERS

Will be Competed for in Annual Spring Class Meet

Benjamin Hurd, M. I. T., 1896, has offered a cup for competition at the annual Technology spring class meet in the 120-yard high hurdles event on a similar basis as the offers of cups in the mile run and the 440-yard dash recently made by J. L. Batchelder, Jr., '90, and Dr. J. Arnold Rockwell '96 respectively. A separate cup will be given each spring, and the cup becomes the permanent property of the winner of the event.

Hurd formerly held the record for the high and low hurdle events, and made a record of 4 4-5 seconds in the 35 yards hurdles in the indoor meet the same year.

The Technology Review

A QUARTERLY MAGAZINE
DEVOTED TO THE INTERESTS OF
THE MASSACHUSETTS INSTITUTE
OF TECHNOLOGY

AND
PUBLISHED BY THE ALUMNI
ASSOCIATION

83 NEWBURY STREET, BOSTON

The Review aims to develop closer relations among Institute men and to stimulate their interest in the work of the College. It is in no sense an engineering magazine, but deals broadly with the problems of Technological Education and the responsibilities of the professional man.

THE REVIEW is published during January, April, July, and October. Communications should be addressed to THE TECHNOLOGY REVIEW, 83 Newbury St., Boston

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NOTICES

GERMAN COLLOQUIUM—The hours for this subject are Tuesdays and Thursdays 9-10 and Saturdays 12-1. T. Bigelow.

NOTICE—The following articles have been found and left at the Bursar's office:

- 1 slide rule.
- 1 set of drawing instruments.
- 1 fountain pen.

Candidates for Tech Show report in dining room of the Union, Thursday, Feb. 11, at 4.15.

1912—Candidates for assistant stage manager report in room B at the Union today at 4.15.

MANDOLIN Club Rehearsal Friday, Feb. 12, 4.00 P. M. at the Union.

Friday evening the first annual dance of the M. I. T. Catholic Club will be held in Copley Hall, Clarendon street. The dancing will be from 8 to 12. A good time is promised to all attending. The officers of the club in charge are Pres. F. M. Heidelberg, V. Pres. C. F. McCarthy, and Sec.-Treas. P. J. White.

GLEE CLUB—A very important rehearsal of the Glee Club will be held Thursday at 4.15 P. M. in the Union.

BRITISH EMPIRE ASSOCIATION—Meeting at 1.00 P. M. Thursday, Feb. 11. 16. Rogers.

BIOLOGY SOCIETY Dinner at the Union tonight at 6.30. Mr. Selskar Gunn, Health Officer, of Orange, N. J., will speak on "Trials and Tribulations of a Health Officer." Tickets 50c.

CONVOCATION — Thursday, at 2 P. M., Mr. Horace White of New York, a personal friend of Lincoln's, will speak. At two o'clock exercises will be postponed until immediately after the convocation.

EPISCOPALIANS.—Dr. Mann will resume his weekly bible class for Tech men Thursday evening, February 11 at Trinity Church parish house.

Subscriptions to the Tech for the remainder of the year for sale at the Tech office, 30 C. Price, \$1.00.

GRADUATE HONORED

John R. Freeman, M. I. T., 1876, who has been selected to advise William H. Taft, Secretary of War, when he goes to Panama, has just returned from California, where he has been investigating Los Angeles' heroic project for water supply.

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